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Titolo	Handbook of residual stress and deformation of steel [[electronic resource] /] / edited by G. Totten, M. Howes, T. Inoue
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Altri autori (Persone)	TottenGeorge E HowesMaurice A. H InoueTatsuo <1939->
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Nota di contenuto	""Contributors""; ""Contents""; ""Preface""; ""Material Factors""; ""Prestress Engineering of Structural Material: A Global Design Approach to the Residual Stress Problem""; ""Residual Stresses and Fatigue Behavior""; ""Stability of Residual Stresses""; ""Effect of Residual Stress on Hydrogen Embrittlement and Stress Corrosion Cracking""; ""Deflection Methods to Estimate Residual Stress""; ""Measurement of Residual Stresses""; ""Stress Determination in Coatings""; ""Methods for Determination of Inhomogeneous Residual Stress Fields""; ""Residual Stress in the Forming of Materials"" ""The Effect of Final Shaping Prior to Heat Treatment""""Factors Affecting Final Part Shaping""; ""Effects of Process Equipment Design""; ""Residual Stresses in Carburized, Carbonitrided, and Case-Hardened Components""; ""Residual Stresses in Nitriding""; ""Induction Hardening""; ""Hardening by Reheating and Quenching""; ""Metallo-Thermo-Mechanicsa€?Application to Quenching""; ""Control of Residual Stress Formation and Steel Deformation during Rapid Heating and Cooling""; ""Effect of Cryogenic Cooling of Residual Stresses, Structure, and Substructure"" ""Inducing Compressive Stresses through Controlled Shot Peening""

Residual Stress Formation during Casting"; "Residual Stress Formation during Casting: Continuous and Centrifugal Casting Processes"; "Residual Stress Formation Processes during Welding and Joining"; "Residual Stresses in Powder-Metal Processing"; "Residual Stress Formation and Distortion of Rail Steel"; "Residual Stresses during Gear Manufacture"; "Metric Conversion Guide"; "Index"
